

ABSTRACT OF THE DISCLOSURE

In a normal operation state, a connection management section 21 writes data transmitted from a first processing section 13 to a data temporary storage section 22, and reads data to be received by the second processing section 14 from the data temporary storage section 22. Upon receiving control signals 31 and 32 which instruct a change of the subject of processing, the first processing section 13 and the second processing section 14 output a transmitting-end clear request 41 and a receiving-end clear request 42, respectively. The connection management section 21 reads data from the empty data storage section 23 after a transmitting-end clear request 41 is received and until a receiving-end clear request 42 is received, and writes data to the empty data storage section 23 after a receiving-end clear request 42 is received and until a transmitting-end clear request 41 is received.